



The Chest Room Split

**COMPLETE TO COLLECT****Tumbled Hematite**

Level 2 · 3 Glints

In Minecraft, Alex stores **48 iron pieces** equally in **6 supply chests**. Later, she needs **18 pieces** for a project. She opens as few chests as possible. She empties each completed chest before opening the next, but stops as soon as she has 18 pieces—even if the final opened chest still has pieces inside.



Alex checks the Minecraft workshop's supply chests.

8**8****8****8****8****8****Target:** 18 iron pieces

YOUR CHALLENGES

- How many iron pieces are in each chest?
- What is the fewest number of chests Alex must open to collect 18 pieces, and how many pieces remain in the last chest she opens?

SHOW YOUR ANSWER

Write your solution on separate paper. Include the equal share, the number of chests opened, and the pieces left in the final chest.

